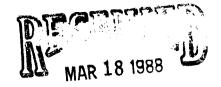
Burton W. Hancock

402 Petroleum Building Billings, Montana 59101

March 16, 1988



DIVISION OF OIL, GAS & MINING

State of Utah Division of Oil, Gas & Mining 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203

Attention:

...

Ron Firth, Associate Director

Division of Oil, Gas & Mining

Dear Ron:

Enclosed for your approval is an APD for the Hancock Federal No. 10--4 well (in duplicate). We hope to drill the well in early September.

If you have any questions or comments, please feel free to call.

Very truly yours,

BURTON W. HANCOCK

James G. Routson

Consulting Petroleum Engineer

JGR:hg Enclosures

cc: Larry Becker

Burton W. Hancock

Form 3160-3 (November 1983)

SUBMIT IN TF LICATE. (Other instru

as on

Form approved. Budget Bureau No. 1004 Expires August 31, 1985

(formerly 9-331C)		ED SIAIES		ICD	ue)	Expires August 31, 1985				
	DEPARTMENT					5. LEASE DESIGNATION AND SERIAL NO.				
		LAND MANAG	100			U-04955				
APPLICATION	N FOR PERMIT	NO DRILL, I	DEEPE	N, OR PLUG B	ACK	6. IF INDIAN, ALLOTTER OR TRIBE NAME				
1a. TYPE OF WORK	••• (27)	DEEPEN I	_	allmus pa	-v [7. UNIT AGREEMENT NAME				
DR b. TYPE OF WELL		TITLE MES	t 8 19	188 July BAC	.к <u> </u>	None				
	AS X OTHER	mrix -	81 Z0	NGLE MULTIPE	LB [S. FARM OR LEASE NAME				
2. NAME OF OPERATOR										
	. HANCOCK	OIL, GAS	& MII	VING		9. WELL NO.				
3. ADDRESS OF OPERATOR		o n 000	D4 1 1	linga Montana F	:0102	Federal No. 10-4				
402 Petroleu	m Building, P.	U. BOX 989,	bany 8	itate requirements.*)		Bar-X				
At surince				17/1		11. SEC., T., R., M., OR BLE.				
5/5' h At proposed prod. zor	NL, 810' FWL Se	ction is		Da / Ma		AND SURVEY OR AREA				
At proposed prod. 201				Lo.		NW1NW1 Section 10-175-2				
	AND DIRECTION FROM NEA		T OFFICE			12. COUNTY OR PARISH 13. STATE				
16 miles no	rthwest of Mack	, Colorado	4.5		1 15 75	Grand Utah				
15. DISTANCE FROM PROP LOCATION TO NEARES PROPERTY OR LEASE 1	r 511) '	16. NO	OF ACRES IN LEASE	TOT	HIS WELL				
(Also to nearest dr.) 18. DISTANCE FROM PROI	g. unit line, if any)		10 PU	960	_	60 RY OR CABLE TOOLS				
TO NEAREST WELL, D OR APPLIED FOR, ON TH	RILLING, COMPLETED, 2	246'		4047 'm'	_	otary				
21. ELEVATIONS (Show wh			<u> </u>	/// ²		22. APPROX. DATE WORK WILL START*				
5511' GL, 552	22' KB					September 1, 1988				
23.]	PROPOSED CASIN	NG ANI	CEMENTING PROGRA	M					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	оот	SETTING DEPTH	<u> </u>	QUANTITY OF CEMENT				
12 1/4"	8 5/8" new	24# H-40S	rc	300'	175 s	x class G to surface				
7 7/8"	4 1/2" new	10.5# J-5		4047'	175 s	x RFC				
2. Anticipated 3. Gas is anticipated 4. Proposed candiling conder surface 6. Air or mission encountered The well was a condense of the condens	icipated in the d. No water sal asing program: ontrol equipment ontractor's BOP ace casing and of t drilling will d. If water is ill be air dril equipment: See ntinued on Page E FROPOSED PROGRAM: If drill or deepen directions	Dakota and Dakota and Ads are exposed tem Note: See attacts: Bolichecked dai be used to encountered from und well controlled from the Controlled f	Morrected 23 ached Ps wi ly. dril d, ch der s ol pl	ison. No oil of above. well control per libe tested be the surface hemical-gel type surface casing the surfa	olan an efore d nole un e mud w co tota	nd schematic of brilling out from oless water is oill be used.				
preventer program, if an 24.			Co	nsulting etroleum Enginee		DATE March 16, 1988				
(This space for Fede	eral or State office use)			APPROVE	D BY	THE STATE				
4	13-019-312	63		APPROVAL DATE UTA	H DIVI	ISION OF				
PERMIT NO.				OIL GAS	S. ANI	MINING				
APPROVED BY	AL, IF ANY:		'LE	DAT (),	1/	117 pp 2				

Application for Permit to Drill,
Deepen, or Plug Back
Federal No. 10-4
NW4NW4 Section 10-T17S-R25E SLBM
Grand County, Utah
Lease U-04955

Page 2

8. The logging program will consist of a DIL log from TD to base of surface casing and GR-FDC-CNL logs from TD to above the Frontier. No cores or DSTs are planned.

. No abnormal pressures or temperatures are anticipated. No poisonous gas is

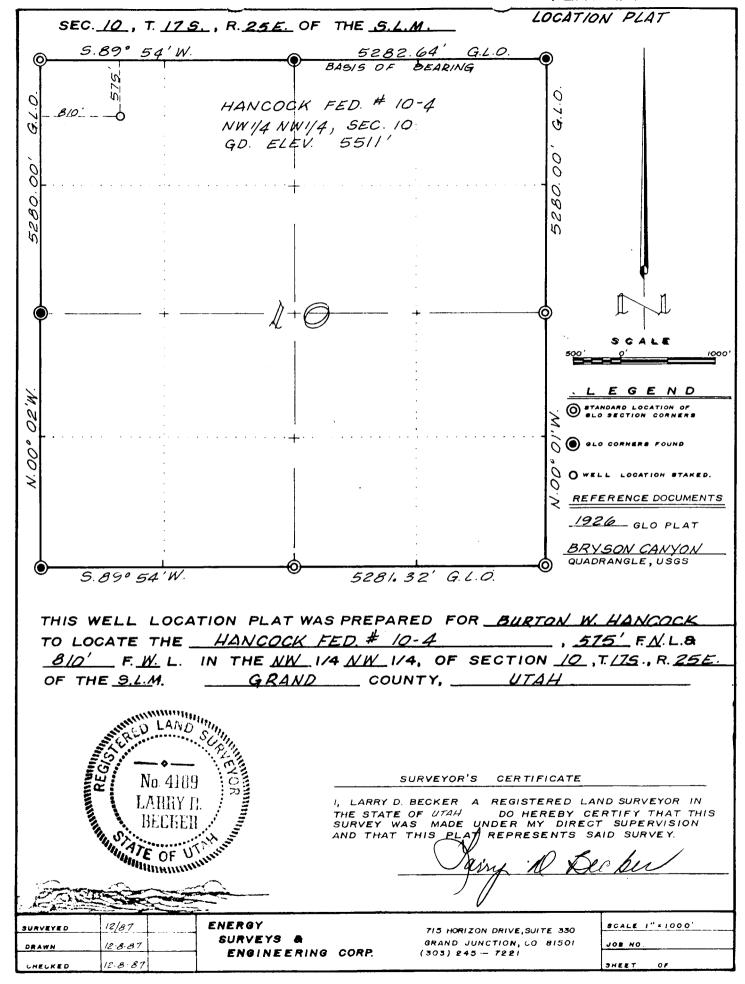
anticipated.

 Anticipated spud date is September 1, 1988. Completion operations should commence within 30 days of rig release.

1. Survey plats are attached.

12. The gas is dedicated to Northwest Pipeline Corporation.

13. The spacing unit is the E2 Section 9 and the W2W2 of Section 10.



WELL CONTROL PLAN

- 1. Surface Casing: 8 5/8" O.D., 24#/ft., Grade H-40, ST&C, set at 300' or deeper, cemented with pump and plug method back to the surface or bottom of cellar.
- 2. Casinghead Flange: 8 5/8" x 8" 900 Series casinghead with two 2" 2000 psi L.P. Outlets.
- 3. Intermediate Casing: None.
- 4. Blowout Preventor: An 8" 3000 psig W.P. double gate hydraulic Shaffer BOP (or equivalent) with drill pipe rams and blind rams. All fill, kill, and choke lines will be minimum of 2" 2000 psi W.P. A Grant rotating head will be used while air and mist drilling. BOPs will be worked daily. Blind rams will be checked during trips. BOPs will be tested to 1000 psi prior to drilling shoe joint on surface casing.
- 5. Auxiliary Equipment: (a) Drill pipe floats will be allowed at contractor's discretion; (b) Visual monitoring of air returns will be maintained; (c) Upper kelly cock will be used; (d) Stabbing valve will be kept on floor.
- 6. Anticipated bottom hole pressure is less than 1000 psi at 3873' or a gradient of .258 psi/ft or less. No abnormal temperatures or hydrogen sulfide gas are anticipated.

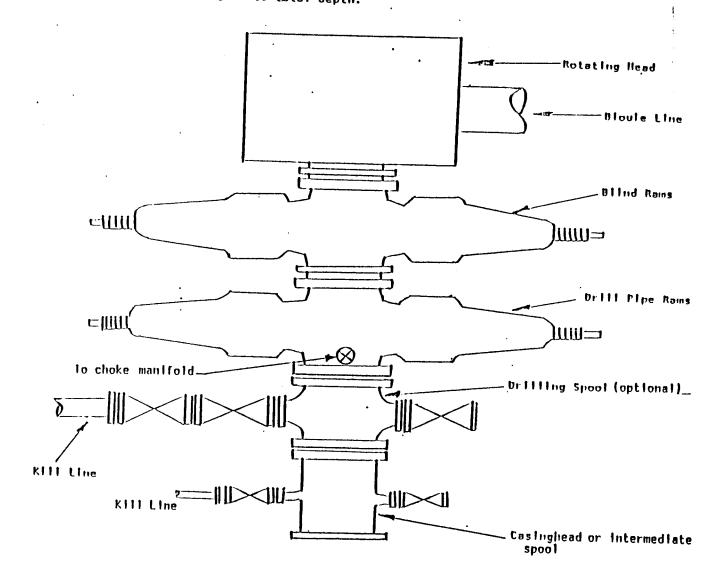
BURTON W. HANCOCK

James G. Routson

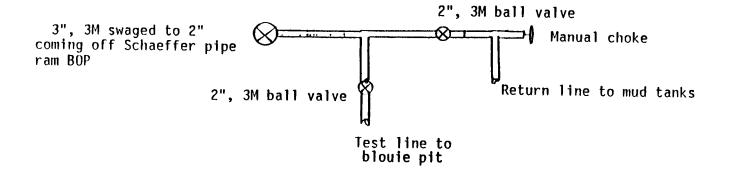
Consulting Petroleum Engineer

SCHEMATIC OF BOP STACK

Air drilled wells using 900 series wellhead equipment. Interval from 300° to total depth.



CHOKE MANIFOLD



SURFACE USE PROGRAM

Burton W. Hancock Federal No. 10-4 NW4NW4 Section 10-T17S-R25E, SLBM Grand County, Utah

1. Existing Roads

See Maps #1 and #2. This proposed well is located approximately 17 air miles northwest of Mack, Colorado. It is reached by going west of Mack on Old Highway 6&50 8.8 miles west to 2 road. Turn right and go 4.1 miles to the state line fence. Continue northwesterly up 2 road 6.1 miles. Turn right .7 miles to the beginning of the new access road. Turn left to the beginning of the new road. All of the existing roads used for access are county roads or private roads on which Hancock has an access agreement. Hancock will share maintenance on those gravel/dirt roads with Grand County and the other oil and gas operators in the area. The existing roads are colored green on the reference map.

2. Access Roads to be Constructed and Reconstructed

See Maps #1 and #2. The new road is shown in red. The 0.8 mile of new road will be constructed as Moab-BLM class 3 road. Hancock hereby applies for 700' of road ROW for the first 700' of the access road located in the $NW_2^1SE_2^1$ of Section 10. The required \$300 filing and \$75 monitoring fees are attached.

3. Location of Existing Wells

See Map #3. There are four producing wells, two shut-in wells, and one dry hole within one mile of the proposed location.

4. <u>Location of Production Facilities</u>

- a) On Well Pad. See Plat #4. (Paint everything dark green.)
- b) Off Well Pad. See Map #1.

Burton W. Hancock proposes to construct approximately .8 miles of 2" buried steel pipeline from this well to his compressor in Section 10 near the start of the new access road. This proposed line will follow the proposed new access road. The line will be coated, wrapped, and buried to a depth of 4 feet. The pipeline will parallel the north side of the road and will be 10 feet outside the road ditch. The first 2400' of line is on Federal surface on the lease. The last 700' of line is on Federal surface off lease. The request for pipeline ROW will be submitted after the well is drilled.

Surface Use Program - Page 2

5. Location and Type of Water Supply

The water source for this well is West Salt Creek. The pickup point is on Old Highway 6&50 about 2.5 miles west of Mack, Colorado. The water will be hauled over the well access road.

6. Source of Construction Materials

No construction materials will be used other than native materials. Soil from cuts will be used in fills. No outside material will be brought in.

7. Methods for Handling Waste Disposal

Cuttings will be buried in the reserve pit at clean up. Garbage and other waste material will be contained in a trash cage. This cage will be dumped at an approved sanitary land fill. Human waste will be disposed of in chemically treated sanitary pits.

Drilling fluids will be contained in the reserve pit and left to evaporate. Any fluids produced during testing operations will be collected in a test tank. If a test tank is not available, the fluids will be contained in the reserve pit. Any spills of oil, gas, salt water or noxious fluid will be cleaned up and removed.

If the well is productive, produced water will be disposed of on site for 30 days only, or 90 days with the permission of the State Petroleum Engineer. After that time, application will be made for approval of permanent disposal method in compliance with the rules and regulations of the State of Utah.

8. Ancillary Facilities

No ancillary facilities are planned.

9. Wellsite Layout

See Plat #2 - Pit and Pad Layout See Plat #2A - Cross Sections of Pit and Pad See Plat #3 - Rig Layout

The location will be constructed large enough to accommodate the drilling rig and associated equipment with allowance made for future completion and fracturing equipment.

The location construction will begin by stripping and stockpiling all available (4-6") topsoil. The stockpile

Surface Use Program - Page 3

will be along the south side of the location.

The reserve pit will be constructed along the west side of the well pad. The pit will be fenced on three sides during drilling and closed on the fourth side at rig release. The fence will be maintained through completion and while the pit area is drying.

10. Plans for Reclamation of the Surface

If the well is productive, the reserve pit will be allowed to dry and then backfilled. All of the area not necessary for production will be resloped, covered with available topsoil, and revegetated using a seed formula supplied by the BLM Grand Resource Area.

If the well is abandoned, the entire area of disturbance will be returned to a reasonable contour approximating the topography of the surrounding area. The topsoil will be distributed over the recontoured area and revegetated using the appropriate seed formula.

Cleanup will begin after completion rig release and resloping and reseeding should be completed by the winter of 1988.

11. Surface Ownership

The lands involving new construction are BLM and private surface owned by Mr. Larry McIntyre. Burton W. Hancock is negotiating an agreement with Mr. McIntyre for such use on private land. (Ownership is shown on Map No. 1.)

12. Other Information

The vegetation is sparse and includes juniper, pinyon, sagebrush, shadscale, western wheatgrass, and a few annual plants.

13. Lessee's or Operator's Representatives and Certification

James G. Routson Consulting Petroleum Engineer P. O. Box 989 Billings, Montana 59103 Office Phone: 406 - 245-5077 Home Phone: 406 - 245-8797

Larry Becker Field Consultant 739 27 Road Grand Junction, Colorado 81506 Phone: 303 - 245-7221

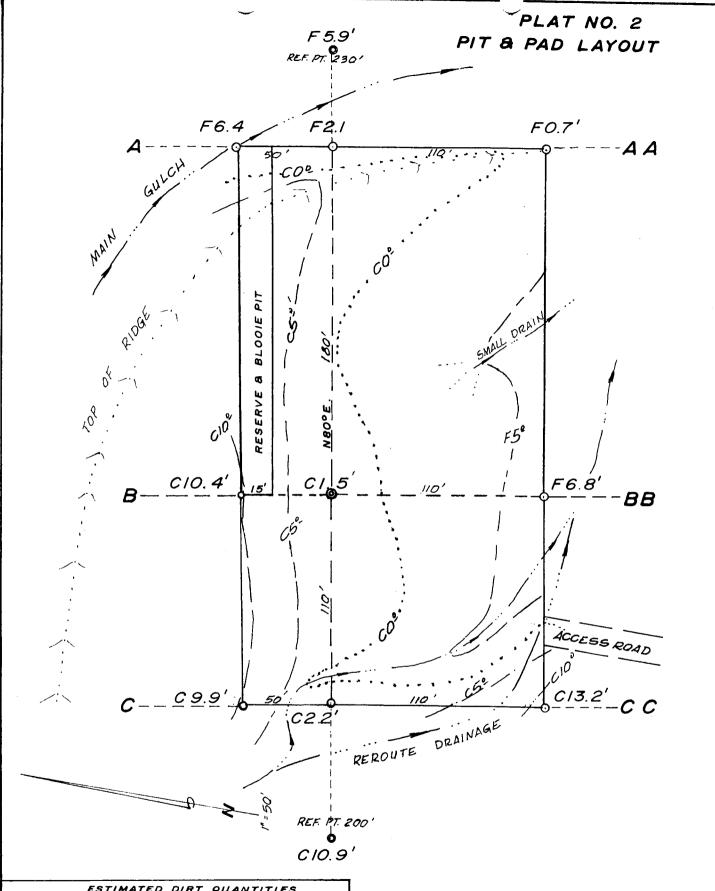
Surface Use Program - Page 4

I hereby certify that I, or persons under my supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with operations proposed herein will be performed by Burton W. Hancock and his contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

March 16, 1988

Date

James A. Routson

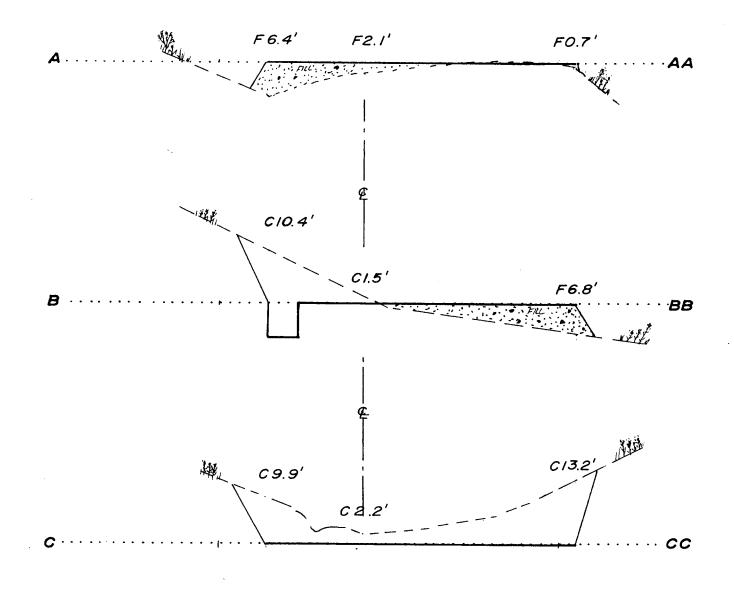


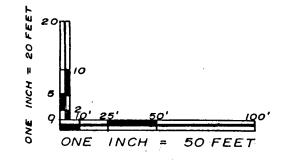
	ESTIM	ATED DI	RT QUANT	ITIES
ITEM	CUT	FILL	TOPSOIL	EXCESS
PAD	9450	3000	1288	
PIT	150		-	
	4210	3000	1288	1210

HANCOCK FED. #10-4

ENERGY SURVEYS & ENGINEERING GRAND JUNCTION, COLORADO 303-245-7221

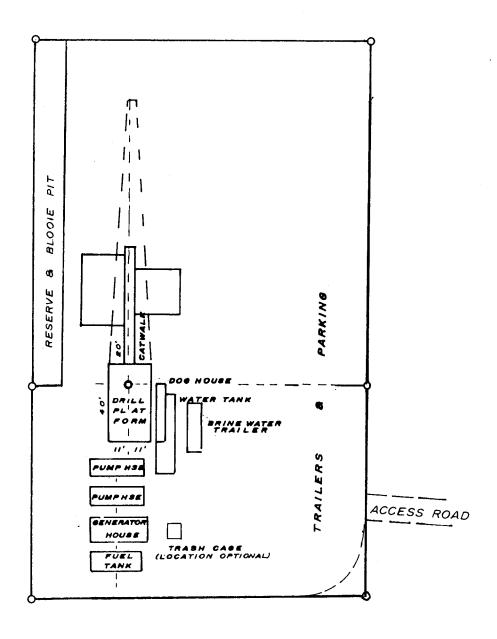
PIT & PAD CROSS - SECTIONS





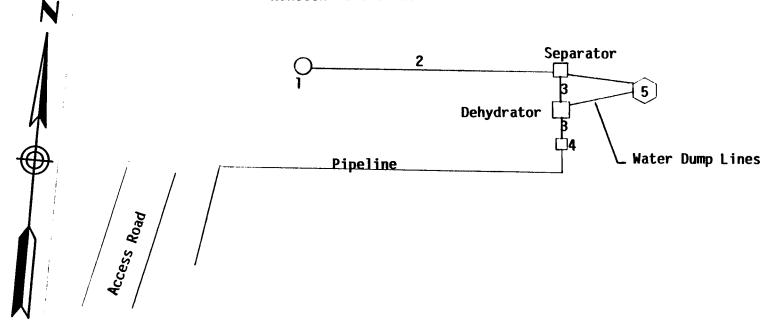
HANCOCK FED. # 10-4

QURYEYED	12/87		ENERGY
DRAWN	12/87		SURVEYS &
CHECKED	12/87	1.0.8.	ENGINEERING CORP.



HANCOCK FED. #10-4

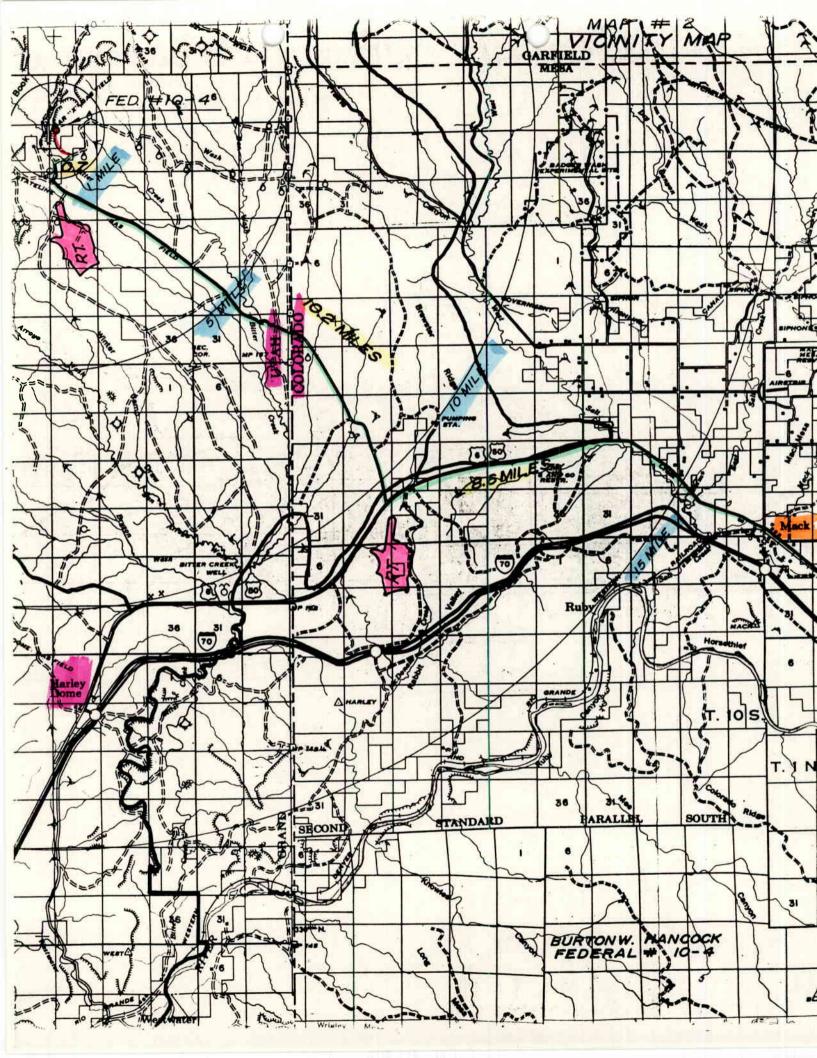
FACILITIES PLAT Hancock Federal No. 10-4

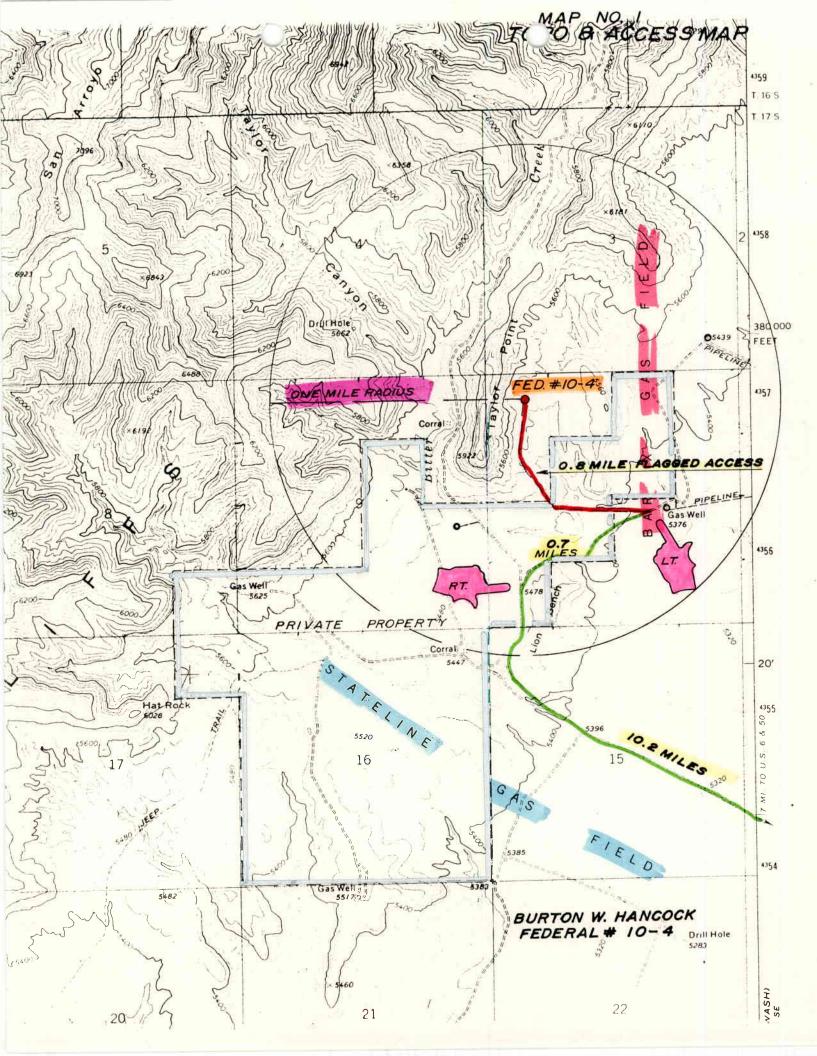


- Wellhead will be an 8 5/8" Larkin Fig. 92 or equivalent. Tubing head will be a 4 1/2" x 6" - 900 Series with two 2" 3000 psi screwed valves. Tree will be 2" screwed x 2000 psi W.P.
- 2. Line between wellhead and separator will be approximately 100 feet in length and constructed of 2 3/8" .190 wall, welded, wrapped, and buried approximately 5 feet deep.
- Lines between separator and dehydrator and between dehydrator and meter run will be 2 3/8" OD, .190" wall, welded, coated, wrapped, and buried, and will be approximately 25 feet in length.
- 4. Meter run will be American 2" run, or equivalent, 1000 psi static rating, 100" of water differential rating.
- 5. Pit will be 10' x 10', enclosed by dikes and fenced.
- 6. Pipeline will be 2 3/8" O.D., .190" wall, coated, wrapped, and buried. It will follow the road ROW.

WELL MAP MAP NO. 3

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theco	o Fed.		-	Nort Stat Nor Sta	e #2	_	Be Fe		Fed.	33-1 ₹		₹ [™]	a en 	-) I TX Fe xo -);	2	- 38	air			State -\	
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033016

OPERATOR Buston W. 7	prock	DATE 3-24-88
WELL NAME Gederal 10-	-4	
SEC NW NW 10 T. 175	R. 25E COUNTY	Grand
43-019-3/263 API NUMBER	TYPE	el. E OF LEASE
CHECK OFF:		
PLAT	BOND	NEAREST WELL
LEASE	FIELD	POTASH OR OIL SHALE
PROCESSING COMMENTS: X - Gause 13-6		
With - Mich Co.		
APPROVAL LETTER:		
SPACING: R615-2-3	UNIT	√ R615-3-2
	3-6 3-26-87 AUSE NO. & DATE	R615-3-3
STIPULATIONS:		
·		

Harcock Govt. No. 4 SW, SW, Sec. 9 873' FSL, 795' FWL Hancock Gov't. No. 20 NE SE Sec. 9 1593 FSL, 112 FEL C.S.V. Hancock Govt. 2 NW SE Sec. 10 2410' FSL, 1570' FEL Scott M. Matheson, Governor Temple A. Reynolds, Executive Director Dr. G. A. (Jim) Shirazi, Division Director

Review of Spacing for Proposed Burton W. Hancock Federal 10-4 well

Sections 9 : 10, T. 175, R. 25E

Proposed Federal 10-4

10 CSV Hancock
Govt. Z

Hancock
Govt. 4

Cause No. 13-6 - Second set of findings of fact, (3-26-87) Conclusions of law, and order

- Establishes 400 acre drilling units in paragraph 1(6) of order (for Dakota Morrison)
 - Section 9: E1/2 plus Section 10: w1/2 w1/2
 - Section 10: E1/2 W/2, E1/2
- Three production wells allowed per 480 acre drilling unit.
- Additional wells will be located at least 500' from drilling unit boundaries and at least 2000' from other Dakota-Morrison wells. A 200' tolerance is allowed for topographic reasons.

Proposed well is valid under the conditions of the order in Cause No. 13-6.



355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

March 29, 1988

Burton W. Hancock 402 Petroleum Building P. O. Box 989 Billings, Montana 59103

Gentlemen:

Re: Federal 10-4 - NW NW Sec. 10, T. 17S, R. 25E - Grand County, Utah 575' FNL, 810' FWL

Approval to drill the referenced well is hereby granted in accordance with the Order of Cause No. 13-6 dated March 26, 1987.

In addition, the following actions are necessary to fully comply with this approval:

- 1. Spudding notification to the Division within 24 hours after drilling operations commence.
- 2. Submittal of an Entity Action Form to the Division within five working days of the time that the well is spudded or a change in operations or interests necessitates a change in entity status.
- Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
- 4. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
- 5. Compliance with the requirements of Rule R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.

Page 2 Burton W. Hancock Federal 10-4 March 29, 1988

- 6. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
- 7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-019-31263.

Sincerely,

Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson
81597



355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

March 29, 1988

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Page 2 Burton W. Hancock Federal 10-4 March 29, 1988

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Sincerely,

Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson

3159T

Form 3160-3

 $\overline{23}$.

SUBMIT IN TRI' CATE*

Form approved. Budget Bureau No. 1004

(November 1983) (formerly 9-331C)	UNTIED STA	TES (Other Insti	side) on	Expires Augus	t 31, 1985
•	DEPARTMENT OF TH	E INTERIOR		5. LEASE DESIGNATION	AND SERIAL NO.
	BUREAU OF LAND MA			U-04955	
APPLICATIO	N FOR PERMIT TO DRILL	L, DEEPEN, OR PLUG	BACK	6. IF INDIAN, ALLOTTE	E OR TRIBE NAME
1a. TYPE OF WORK DR b. TYPE OF WELL	RILL X DEFE	SEP 28 1988		7. UNIT AGREEMENT :	NAMB
OIL C	WELL X OTHER	SINGLE MULT ZONE ZONE	IPL®	8. FARM OR LEASE NA	ME
2. NAME OF OPERATOR		DIVISION OF		Federal	
BURTON W	I. HANCOCK	OIL, GAS & MINING		9. WELL NO.	
3. ADDRESS OF OPERATOR				Federal No.	10-4
402 Petroleu	ım Building, P. O. Box 9	89, Billings, Montana	59103	10. FIELD AND POOL,	OR WILDCAT
4. LOCATION OF WELL (I	Report location clearly and in accordance	e with any State requirements.*)		Bar-X	
	NL, 810' FWL Section 15			11. SEC., T., R., M., OR AND SURVEY OR A	BLK. Rea
At proposed prod. zo	ne			NW1NW1 Section	n 10-175-2 Si
14. DISTANCE IN MILES	AND DIRECTION FROM NEAREST TOWN OF	POST OFFICE		12. COUNTY OR PARISI	1 18. STATE
16 miles no	orthwest of Mack, Colora	do		Grand	Utah
15. DISTANCE FROM PROF LOCATION TO NEARES PROPERTY OR LEASE	FUSED.	16. NO. OF ACRES IN LEASE 960	тот	OF ACRES ASSIGNED HIS WELL	
18. DISTANCE FROM PRO	FOSED LOCATION® DRILLING, COMPLETED, 2 2/6	19. PROPOSED DEPTH 4047		et or cable fools	
21. ELEVATIONS (Show w	hether DF, RT, GR, etc.)			22. APPROX. DATE W	
5511' GL, 55	22' KB			September 1	, 1988

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8" new	24# H-40STC	300'	175 sx class G to surface
7 7/8"	4 1/2" new	10.5# J-55LTC	4047'	175 sx RFC

PROPOSED CASING AND CEMENTING PROGRAM

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive sone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout

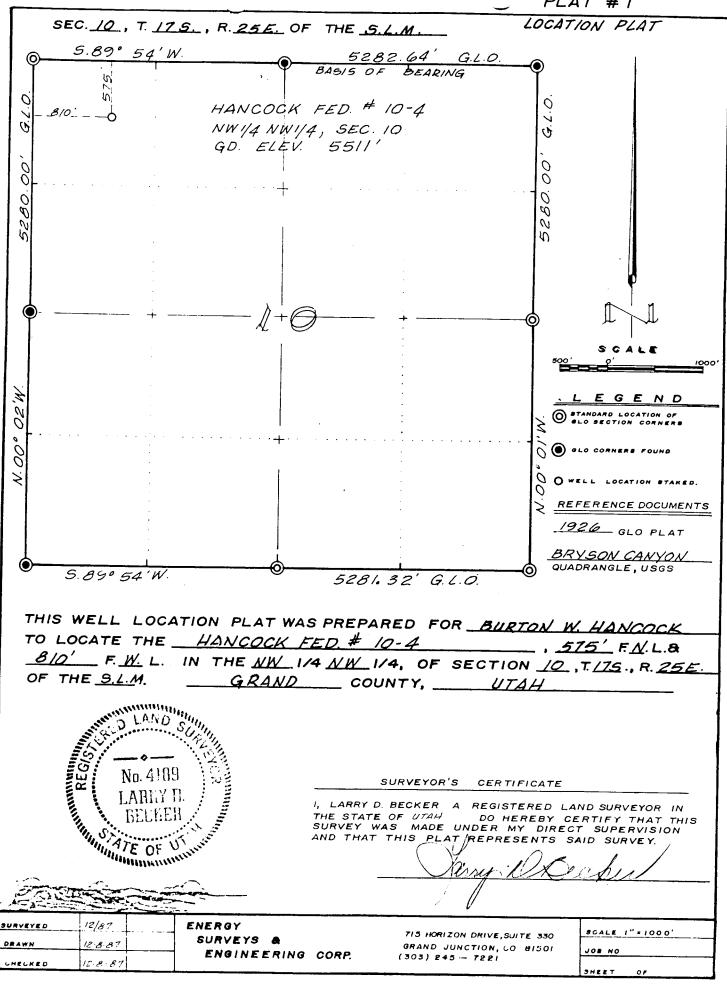
preventer program, it any.		
BIGNED James D- Roution	Consulting TITLE Petroleum Engineer	DATE <u>March 16, 1988</u>
(This space for Federal or State office use)		
PERMIT NO.	TITLE Acting District Manager	9/23/88
APPROVED BY /s/William C. Stringer	TITLE ACTING DISTITCE Hanager	DATE

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A

CONDITIONS OF APPROVAL ATTACHED

*See Instructions On Reverse Side

Title 18 U.S. C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



Burton W. Hancock Well No. Federal 10-4 NWNW Sec. 10, T. 17 S., R. 25 E., SLB&M Grand County, Utah Lease U-04955

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Burton W. Hancock is considered to be the operator of the above well, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by Bond No. SY 315598 (Principal - Burton W. Hancock) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable <u>until</u> the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

A. DRILLING PROGRAM

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Order 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to the field representative to insure compliance.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Office. If operations are to be suspended, prior approval of the District Office will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the appropriate office (see notification page) within a minimum of 24 hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within 24 hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

In accordance with Onshore Order No. 1 this well will be reported on Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continued each month until the well is plugged and abandoned. 'This report will be sent to the District Office, P.O. Box 970, Moab, Utah 84532.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Area Office in accordance with requirements of NTL-3A.

If a replacement rig is needed for completion operations, a Sundry Notice (Form 3160-5) to that effect will be filed for prior approval from the District Office, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations, verbal approval to bring on a replacement rig will be approved through the District Office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, work-over, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Moab District Manager.

If the well is to be completed for production the Area Office is to be contacted in order to set up a pre-production conference. When the well is placed in a producing status the District Office is to be notified by telegram or other written communication within five working days.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

No well abandonment operations will be commenced without the prior approval of the District Office. In the case of newlydrilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Office. A Subsequent Report of Abandonment (Form 3160-5) will be sent to the District Office within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Office, or the appropriate surface managing agency. Upon completion of approved plugging, a dry hole marker will be erected in accordance with 43 CFR 3162.6. The top of the marker will be closed or capped. The following minimum information will be permanently placed on the marker; "Fed" or "Ind", as applicable, "Lease Number", "Well number", location of well by 1/41/4 section, township, and range.

B. SURFACE USE PROGRAM

This permit does not authorize construction thru private surface.

Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the Area Manager in advance.

Pad Construction: The southeast corner will be evened-off for drainage purposes. The east line of the pad will be adjusted to parallel the drainage. The small ridge on the easterly side will be removed and used as fill for the southern edge of the pad.

The access road will be rehabilitated or brought to Resource (Class III) Road Standards within sixty (60) days of dismantling of the drilling rig. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

Immediately upon completion of drilling, the location, and surrounding areas will be cleared of all remaining debris, materials, trash, and junk not required for production.

If at any time the facilities located on public lands authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change) the BLM will process a change in authorization to the appropriate statute. The authorization will be subject to the appropriate rental, or other financial obligation determined by the authorized officer.

Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter along with any other sections occurring on the pad. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

All permanent (onsite for six (6) months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earth tone color to match the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six (6) months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Color will be as follows: Juniper Green.

NOTIFICATIONS

Notify the Grand Resource Area, at (801) 259-8193 for the following:

2 days prior to commencement of dirt work, construction or reclamation;

1 day prior to spudding;

1 day prior to pressure testing of BOPE and/or surface casing.

Your contact with the Grand Resource Area Office is:

Jeff Robbins

Office Phone (801) 259-8193 Home Phone (801) 259-7964

Grand Resource Area office address:

Grand Resource Area Sand Flats Road, P.O. Box M Moab, Utan 84532

Notify the Moab District Office, Branch of Fluid Minerals, at (801) 259-6111 for the following:

No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly drilled dry holes, and in emergency situations, verbal approval can be obtained by calling the following individuals, in the order listed.

Dale Manchester, Petroleum Engineer

Office Phone: (801) 259-6111

Lynn Jackson, Chief, Branch of Fluid Min.

Office Phone (801) 259-6111 Home Phone (801) 259-7990

Paul Brown, I&E Coordinator

Office Phone (801) 259-6111 Home Phone (801) 259-7018

24 hours advance notice is required for all abandonments.

Burton W. Hancock

1799 Hamilton Avenue San Jose, California 95125

March 20, 1989



R. J. Firth
Associate Director, Oil & Gas
State of Utah Natural Resources
Oil, Gas & Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

DIVISION OF OIL, GAS & MINING

Re: Federal No. 10-4 NW1NW1 Sec. 10: T17S-R25E Grand County, Utah

Lease U-04955

Dear Ron:

We are hereby requesting an extension for the captioned drilling permit until October 31, 1989. (A copy of the approved application for permit to drill and cover letter is attached).

This well will be drilled as a multiple well package scheduled for this fall.

If you have any questions, please feel free to give me a call.

Very truly yours,

James G. Routson

Consulting Petroleum Engineer

JGR: 1w

enclosures

xc: Burton W. Hancock

OF UTAH DIVISION OF

HL, GAS, AND MINING

-3 (1983 er بر	ит	ÉD STATES		(Other instru reverse si	⊶on	Budget Bureau i Expires August	
y 9-331C)	DEPARTMENT	OF THE IN	ITER			5. LEASE DESIGNATION	
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DRI	LL [X]	MREFFEN 15	BA .	PLUG BAC	CK 🗌	7. UNIT AGREEMENT N	AMB
b. TIPE OF WELL		MINK + C 10		igia (=) Ruiatie	LB []	8. FARM OR LEASE NA	45
2. NAME OF OPERATOR	ELL X OTHER	อเพละเอเพ บเ	ZO			Federal	
BURTON W.	HANCOCK	Uil., GAS & MIT	NING			9. WELL NO.	
3. ADDRESS OF OPERATOR	, maioook					Federal No.	
402 Petroleum	n Building, P. (). Box 989,	BDN	THE PROPERTY	3117	10. FIELD AND POOL, C	R WILDCAT
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At proposed prod. zon						NWANWA Section	SER
14. DISTANCE IN MILES			OFFICE	DIVISION OF		12. COUNTY OR PARISH	18. STATE
16 miles no	rthwest of Mack	, Colorado	18 %	OIL GAS & MINING	1 17 NO	Grand	Utah
15. DISTANCE FROM PROPU LOCATION TO NEAREST PROPERTY OR LEASE L	510	,•	10. 10.	960	70 7	HIS WELL	
(Also to nearest drig	, unit line, if any)		19. PR	OPOSED DEPTH .		RY OR CABLE TOOLS	
TO NEAREST WELL, DI OR APPLIED FOR, ON THE	RILLING, COMPLETED, 🔾	246'	4	4047' more	R	otary	
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5511' GL, 552						September 1	, 1300
23.	I	PROPOSED CASIN	G AND	CEMENTING PROGRA	AM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	ют	SETTING DEPTH	-	QUANTITY OF CEME	
12 1/4"	8 5/8" new	_24#_H-40SI		300'		x class G to s x RFC	urrace
	4 1/2" new	10.5# J-55	LIL.	4047'	1/3_5	X KFC	
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24. O ane	n-Roman	77- 117		onsulting etroleum Engine	er	DATE Marc	:h 16, 1988
HIGNED	eral or State office use)					DV THE OTA	
	3-019.312	63		APPROVAL DATE	40 14 (51) - 14 7 7 1	THE STATE	l E.
PERMIT NO	<u> </u>				GAL	. 1000	1
APPROVED BYCONDITIONS OF APPROV			rlb	DATE: BY:	SPAC	13 C	3-26-87
		See Instru	CTIONS	Ou MEAGINE SIGE			

SUBMIT IN TRIT

TE*

Form approved.

Burton W. Hancock

402 Petroleum Building Billings, Montana 59101

August 16, 1989



OIL, GAS & MINING

Division of Oil, Gas & Mining 3 Triad Center, Suite 350 Salt Lake City, UT 84180

Re: Federal 10-4

NW\(\frac{1}{4}\)NW\(\frac{1}{4}\) Sec. 10-T17S-R25E

Grand County, Utah

Gentlemen:

Enclosed are two copies of Sundry Notice regarding a change of plans for the subject well.

Very truly yours,

BURTON W. HANCOCK

By James G. Routson

Consulting Petroleum Engineer

JGR:hg Enclosures

OIL AND GAS								
DRN	RJF							
JRB	GLH							
DTS	SLS							
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Form 3160-5 (November 1983) (Formerly 9-331)

16

UNITED STATES DEPARTMENT OF THE INTERIOR (Other Instructions on re

SUBMIT IN TRIPLICATE.

BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT." for such proposals.)

ī WELL [] WELL X NAME OF OPERATOR Burton W. Hancock ADDRESS OF OPERATOR

402 Petroleum Building, Billings, Montana 5910 DIVISION OF LOCATION OF WELL (Report location clearly and in accordance with any Stoffice CAS & MINING At surface 5754 500 000 100 500 100

575' FNL, 810' FWL, Sec. 10

14. PERMIT NO. 15 ELEVATIONS (Show whether DF, RT, CR, etc.) 5511' GL, 5522' KB 43-019-31263

Budget Bureau No. 1004-0135 Expires August 31, 1985 5. LEASE DESIGNATION AND BESIAL NO U-04955 6. IF INDIAN, ALLOTTEE OR TRIBE NAME Federal 9. WELL NO. 10. FIELD AND POOL, OR WILDCAT Bar-X , OR BLE. AND NW1NW1 Sec. 10-T17S-R25E

Form approved.

12. COUNTY OR PARISH | 13. STATE

Grand

Utah

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOT	ICK O	r intention to:			BUBBE	GUENT REPORT	r of :		
TEST WATER SHUT-OFF	[PULL OR ALTER CASING	[1	WATER SHOT-OFF		REPAIRING WELL		
FRACTURE TREAT		MULTIPER COMPLETE			PRACTURE TREATMENT		ATTERING CARING		
SHOOT OR ACIDIZE		4BANDON*			SHOOTING OR ACIDIZING		TRANDOUMENT.		
tOther)	i	CHANGE PLANS	^		(Other) (Note: Report result Completion or Recons	ts of multiple pletion Repor	completion on Wall	I	
				•	The second of th	rëssamente e emeritare	* * · · · · · · * · · · · · · · · · · ·		-

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.).

We propose to drill an 8 3/4" hole and run 7", 23#, J-55 surface casing to 300'. This will be cemented to surface with 135 sacks Class "G", 3% CaCl2. This is a change from 12 1/4" hole and 8 5/8" casing. All other items of the APD remain the same.

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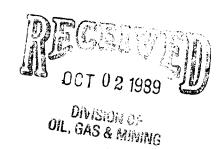
SIGNED James G. Routson	myzy w Consulting	Petroleum Engineer	
(This space for Federal or State office use)	TITIN	ACCEPTED BY THE	n a ATE
CONDITIONS OF APPROVAL, IF ANY: Federal approval of this action		OF UTAH DIVIDI QL, GAS, AND	
is required before commencing	se Instructions on Rever	DATE: 8-28-89	Bayes

DIVISION OF OIL, GAS AND MINING

	SPUDDING INFORMATION			API NO. 43-019-31263		
NAME OF COMPANY:	BURTON W. HAN	соск	 			
WELL NAME:	FEDERAL 10-4					
SECTION NWNW 10 TOWN	ISHIP 178	RANGE_	25E	COUNTY_	GRAND	
DRILLING CONTRACTOR	ZECO	<u> </u>				
RIG #4						
SPUDDED: DATE 9-29	-89					
TIME 1:00	A.M.					
HOWROTA	RY					
DRILLING WILL COMMENCE	9-29-89					
REPORTED BY JAMES R	OUTSON					
TELEPHONE #(406) 2	45-5077					
DATE 9-29-89			SIGNED_	LCR		

Burton W. Hancock

402 Petroleum Building Billings, Montana 59101



September 29, 1989

Division of Oil, Gas & Mining 3 Triad Center, Suite 350 Salt Lake City, Utah 84180

Re: Federal 10-4

NW1NW1 Sec. 10-17S-R25E Grand County, Utah

Gentlemen:

Enclosed are two copies of Sundry Notice regarding the spudding of the above referenced well.

Very truly yours,

BURTON W. HANCOCK

By James G. Routson Consulting Petroleum Engineer

Form 31605 (November 1983) (Formerly 9-331)		THE INTERI	OR verse side)	TE* Exp	ires August 3	1, 1985
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At surface	., 810' FWL, Sec.	10		8US	T., B., M., OR BI. IVEY OR AREA	
ngan ingganangan ang maganan an				NW2NW2	Sec. 10-	T17S-R25E
43-019-31263	; · · · ·	GL, 5522 KI		Grand	. 1	Utah
16.	Check Appropriate B	lox To Indicate N	ature of Notice, Report,	or Other Date	,	
No	TICE OF INTENTION TO:		B U	BSEQUENT MBPORT	r or:	
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REPAIR WELL (Other)	CHANGE PLANS		(Other) Spud MU (Nork: Report re Completion or Re	sults of multiple	completion on	Well
Spudded well a	at 1:00 a.m., 9-2	.9-89, Veco R	ig No. 4. Drillin Gas, & Mining, Li	ig 8-3/4" h	ole.	
	none to Bureau of	F Land Manage	ment, Moab Distric		a.m.,	7
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(This space for Federal	or State office use)		er of geographic and the side, and early agreement and additional factors	er e	TymasyThe True Long	and 中央 新加州的 1912年11月 12
APPROVED BYCONDITIONS OF APPR		TITLE		DAT	E	

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Burton W. Hancock

402 Petroleum Building Billings, Montana 59101



DIVISION OF OIL, GAS & MINING

October 6, 1989

Division of Oil, Gas & Mining 3 Triad Center, Suite 350 Salt Lake City, Utah 84180

Re: Federal 10-4

NW 1/4 NW 1/4 Sec. 10-T17S-R25E

Grand County, Utah

Gentlemen:

Enclosed are two copies of Sundry Notice Status Report. Also in duplicate is a report of water encountered.

Very truly yours,

BURTON W. HANCOCK

By James G. Routson

Consulting Petroleum Engineer

JGR:tlm

Enclosures

c: Burton W. Hancock

		RTMENT OF THE INTERIOREAU O AND MANAGEMENT	R (Other lustruction verse side)	D. LEASE DESIGNATE	
		OTICES AND REPORTS OF THE PROPERTY OF THE PROP		oir.	TRE OR TRIBE NAME
J. OIL WEI	LL GAS K OTHE	la d	(GEOV)	7. UNIT AGREMENT	
	E OF OPERATOR	. 44	OCT 11 1989	8. FARM OR LEASE !	ATME
3. ADD	rton W. Hancock		DIVISION OF	Federal Po. Wall No.	
Sec	2 Petroleum Buildi	ing Billings MT 59101 and in accordance with any 80		l	OR WILDCAT
	75' FNL, 810' FWL,	Sec. 10		Bar-X 11. sec., T., B., M., O	
J	75 THE, OIG THE	, 300. 10			 . 10-T17S-R25I
14. ren	NIT NO.	15. ELEVATIONS (Show whether DF, R	r, gr, etc.)	12. COUNTY OR PAR	
43	-019-31263	5511' GL, 5522' KB		Grand	Utah
16.		Appropriate Box To Indicate Nat		oort, or Other Data	
	NOTICE OF 1	NTENTION TO:		SUBSEQUENT REPORT OF:	
	ST WATER SHUT-OFF	PULL OR ALTER CASING MULTIPLE COMPLETE	WATER SHUT-OFF FRACTURE TREATM	REPAIRIN ALTERING	11
	HOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACID	DIZING ABANDON:	RENI.
	PAIR WELL Other) CTATHC DEDORT	CHANGE PLANS	(Other) (Note: Rep Completion	ort results of multiple completion Recompletion Report and Log	on on Well
17. DES	Other) STATUS REPORT CRIBE PROPOSED OR COMPLETED proposed work. If well is distant to this work.) •	OFFERATIONS (Clearly state all pertinent of rectionally drilled, give subsurface location			
sa	cks class "G", 3%	to 308'. Ran 7", 23#, J CaCl ₂ . Good cement to s A.M. on 10-3-89. Mudded	urface. Air	drilled 6-1/4" hole	to 4197'.
Lo	g Tops:	Dakota Silt	3712'	(+1810')	
	•	Dakota Sand	3808 ' 3966 '	(+1714') (+1556')	
Ra Th	n 4-1/2", 10-5#, ixotropic cement.	Morrison J-55 casing to 4160', PBT Rig released at 3:00 A.	D 4119'. Cem	ented with 175 sack	
				OIL AND GA	<u>S</u>
				DRN F	ม F
				JRB G	LH
				DTS S	ils
				1-TAS	
	,			1-170	
18. I h	ereby certify that the foregol			V ~ AAA.	
SIG	NED JUMES M. C.	TITLE CONSI	llting Petrole	um Enga V MOBO NES	_89
	James G. Rout	son		3- FILE	
				TO A STORM	
API	PROVED BY	TITLE		DATE	

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DRN **JRB**

> MICROFILM ' FILE

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING 3 TRIAD CENTER, SUITE 350 SALT LAKE CITY, UT 84180-1203



DIVISION OF A OIL, GAS & MINING 43-019-31263

REPORT OF WATER ENCOUNTERED DURING DRILLING

		*		
We!	11 Name &	Number <u>Federa</u>	No. 10-4	
Ope	erator <u>B</u>	urton W. Hancock	Ac	ddress 402 Petroleum Building
Cor	ntractor <u>V</u>	eco Drilling Com	p any Ac	ddress <u>Box 1705. Grand Jct CO</u> 815
Loc	cation <u>NW</u>	1/4 NW 1/4	Sec. <u>10</u> T.	• 17S R. 25E County Grand
Wat	ter Sands			
	<u>D</u>	<u>epth</u>	Volume	Quality
	From	то То	Flow Rate or H	Head Fresh or Salty
1	No water	encountered		
2				
5				
· -		(Continue	on reverse side	if necessary)
<u>For</u>	rmation To	<u>ps</u> Mancos = Su Dakota Silt Dakota Sand	3712'	(+1810') (+1714')
Ren	<u>marks</u>	Morrison		(+1556')
N 01	TE: (a)	Report on this Conservation Ge		d for in Rule 806, Oil and Gas
OIL AN	ID GAS			ade of the above reported zone,
ORN	RJF	please forward	a copy along wit	th this form.
JRB	I-V GLH			
DTS	SLS			
TAC	7			
- I II	· - ×	.		

STATE OF UTAH DIVISION OF OIL, GAS AND MINING ENTITY ACTION FORM - FORM 6



OPERATOR ADDRESS

PETROLEUM BUILDING

PO Box 989

OPERATOR ACC	T. NO.	N	0460
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BILLINGS, MT 59103 Millean

ACTION	CURRENT	NEW	API NUNCHE GA	WELL NAME		WELL LOCATION					SPUD	EFFECTIVE	
CODE	ENTITY NO.	ENTITY NO.	,	inititita			QQ	SC	TP	RG	COUNTY	DATE	DATE
Α	99999	11035	43-019-31263	HANCOCK	FEDERAL	10-4	NWNW	10	175	25 E	GRAND	9-29-89	9-29-89
WELL 1 CO	OMMENTS:	Federal -1	Lase Propo	osed Zone-n	1 RSN					*			
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#EEE 3 C	OTHER 13.												
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ACTION C	nnec /coo :	netwictions	on back of form)								111 -	/	

A - Establish new entity for new well (single well only)

B - Add new well to existing entity (group or unit well)

C - Re-assign well from one existing entity to another existing entity

D - Re-assign well from one existing entity to a new entity

E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

ATTIN: LISHA

3 TRIAD CENTER #350 SLC 84180-1203

MARK TOKARSKI, C.P.A.

P.O. Box 989

Billings, MT 59103

40069M

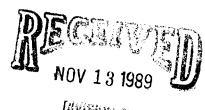
801-538-5340

Title

406, 259-9554

- Burton W. Hancock -

404 Petroleum Building Billings, Montana 59101



OIL. GAS & MINING

November 8, 1989

Division of Oil, Gas & Mining 3 Triad Center, Suite 350 Salt Lake City, Utah 84180

Re: Federal No. 10-4

NW1NW1 Sec. 10-T17S-R25E

Grand County, Utah

Gentlemen:

Enclosed are two copies of Sundry Notice regarding a change of plans for the subject well.

Very truly yours,

BURTON W. HANCOCK

By James G. Routson

Consulting Petroleum Engineer

JGR:tlm

Enclosures

c: Burton W. Hancock

(Formerly 9–331) DEPARTN	UNITED STATES MEN OF THE INTERIOR	SUBMIT IN TRIPLICATE* (Other instructions on re- verse side)		
SUNDRY NOT	U.O. AND MANAGEMENT CES AND REPORTS ON ale to drill or to deepen or plus part TION FOR PERMIT—" for such por	WELLS	U-04955 6. IF INDIAN, ALLOTTER	OR TRIBE NAME
1. OIL GAS	TION FOR PERMIT— 10F Idea		7. UNIT AGREEMENT NA	3 K
WELL WELL X OTHER 2. NAME OF OPERATOR		NOV 1 3 1989	8. FARM OR LEAST NAM	£
Burton W. Hancock		DIVICION OF	Federal	
402 Petroleum Building,	Billings, MT 59101	111	10-4 10. FIELD AND POOL, OR	WILDCAT
See also space 17 below.) At surface			Bar-X 11. SHC., T., B., M., OR B SURVEY OR AREA	LE. AND
575' FNL, 810' FI	ML, Sec. 10		NW1NW1 Sec.	10-T175-R25F
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT,	GR, etc.)	12. COUNTY OR PARISH	18. STATE
43-019-31263	5511' GL, 5522' KB		Grand	Utah
16. Check Ap	propriate Box To Indicate Natur	re of Notice, Report, or C	Other Data	
NOTICE OF INTEN	TION TO:	SUBSEQ	UENT ESPORT OF:	
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING W	ELL
	TULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CA	1
SHOOT OR ACIDIZE	ABANDON®	SHOOTING OR ACIDIZING	ABANDONMEN	T•
	HANGE PLANS	(Other)		
(Other)		(Note: Report results Completion or Recomp	of multiple completion of letion Report and Log for	on Well m.)
wishes to lay a surfac	his well included plans e 3½" pipeline from the ow the same route as or	e well to his centr	al compressor.	cock now The
		(OIL AND GAS	
		D!	AB V P CLH	
		D.	SLS	
		0 =	TAC	
		30	MICROEININ	
		4-	FILE	
,		·	V	
18. I hereby certify that the foregoing is	·		· ·	
SIGNED James G. Routson		ting Petroleum Eng	ineerate 11-8-8	39
(This space for Federal or State office	e use)		A Company of the Comp	
APPROVED BY	ny:	****	DATE	

Burton W. Hancock

402 Petroleum Building Billings, Montana 59101



November 15, 1989

Division of Oil, Gas & Mining State of Utah 355 W. North Temple 3 Triad Center, Suite 350 Salt Lake City, UT 84180

Gentlemen:

Enclosed in duplicate is the Sundry Notice Status Report for the Burton Hancock Federal No. 10-4 well located in the NW NW Section 10: T17S-R25E, Grand County, Utah.

Very truly yours,

Burton W. Hancock

By James G. Routson

Dames G. Loutson (by ew)

JGR:1w

Enclosures (2)

xc: Burton W. Hancock

			_	Form approved.
Form 3160-5 (November 1983) (Formerly 9-331)	DEPART	UNITED STATES TMENT OF THE INTER	SUBMIT IN TRIPLICATE (Other instructions on receive side)	5. LEASE DESIGNATION AND SERIAL NO
	BURE	AU OF LAND MANAGEMEN	T	U-04955
		TICES AND REPORTS SHARE to drill or to deepen or plug CATION FOR PERMIT—" for such-		G IN INDIAN, ALLOTTEE OR THIBE NAME
1.	Use "APPLI	CATION FOR PERMIT- 101 BICH 1	Me (el proposition)	7. UNIT AGRESIENT NAME
OIL GAS WELL WELL	X OTHER		16 26 3 7 6 1	8. WARM OR LEASE NAME
Burton W. Hanc	ock		NOV 17 1939	// Federal
3. ADDRESS OF OPERATO			1000	9. WELL NO.
402 Petroleum 4. LOCATION OF WELL (1 See also space 17 bel At aurfuce	Building, Report location (5W)	Billings, MT 59101 clearly and in accordance with any	ONNIM S. CHOSTON OF	10-4 10. FIRED AND POOL, OR WIEDCAT Bar-X
575	' FNL, 81	O' FWL, Section 10		11. BUC., T., B., M., OR BLE. AND
				BURYET OR AREA
				NW#NW# Sec. 10: T17S-R25E
14. PERMIT NO.		15 BIEVATIONS (Show whether be	F, RT, QR, etc.)	12. COUNTY OR PARISH 13. MTATE
43-019-31263		5511' GL, 5522' K	(B	Grand Utah
16	Check A	Appropriate Box To Indicate 1	Nature of Notice, Report, or	Other Data
	NOTICE OF INT			QUENT REPORT OF:
TECT IN OTH OHING		(n. 1/200 C.201)		
TEST WATER SHUT OF FRACTURE TREAT		MULTIPLE COMPLETE	WATER SHUT-OFF FRACTURE TREATMENT	ALTERING CASING
SHOOT OF ACIDIZE		ABANDON*	SHOUTING OR ACIDIZING	ABANDON MENT *
REPAIR WELL		CHANGE PLANS	(Other)	
(Other)		Status ReportX		is of multiple completion on Well pletion Report and Log form)
17. DESCRIBE PROPOSED OF proposed work. If nent to this work.)	l well in direc	CERATIONS (Clearly state all pertiner tionally drilled, give subsurface locs	it details, and give pertinent date itions and measured and true veril	s, including estimated date of starting any cal depths for all anackers and goice petti-
Work performed	November	3 through November 1	2, 1989:	
Perforated	Dakota:		7', 18 holes, .31" d ² 4', 35 holes, .31" d ²	
Tested 474	MCFD, 15	3 psig FCP, 139 psi F	TP.	
Acidized a	ll perfor	ations with 750 gallo	ons 15% MSR, 105,000 S	SCF nitrogen.
Tested 791	MCFD, 16	0 psig FCP, 128 psig	FTP.	OIL AND (
Shut well	in; will	frac when pipeline is	laid.	DRN
				JRB (
				E DT3 £
				1-TAS
				D. N. MICHOFILM
				140
				3 - FILE
18. I hereby certify that	MA A	11/-+	manithing Dat - Fordis	Name to 10 1000
SIGNED James G (This space for Fede	Routsor	The second secon	nsulting Pet. Enginee	PATH November 16, 1989
APPROVED BYCONDUCTIONS OF AI	PPROVAL, IF	ANY:		DATE

Burton W. Hancock ~

404 Petroleum Building Billings, Montana 59101



January 5, 1990

DIVISION OF OIL. GAS & MINING

Division of Oil, Gas & Mining 3 Triad Center, Suite 350 Salt Lake City, UT 84180

Re: #10-4 Bar-X Unit

NW% NW% Sec. 10, T17S-R25E

Grand County, Utah

Gentlemen:

Enclosed, please find two (2) copies of the Sundry Notice of First Production for the above captioned well.

Very truly yours,

James / G. Routson

Consulting Petroleum Engineer for Burton W. Hancock

JGR/mjt Enclosures

Form 3160-5 (November 1983) (Formerly 9-331)	UN_E DEPARTMENT	D STATES OF THE INTERIO	SUBMIT IN TRIPERCATE (Other instructions on re	Form approved. Budget Burcau No. 1004-0135 Expires August 31, 1985 5. LEASE DESIGNATION AND SEEIAL NO
		AND MANAGEMENT	,	U-04955
SUN (Do not use this	DRY NOTICES A	ND REPORTS	EGET WED	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
OIL GAS WELL 2. NAME OF OPERATOR	X) OTHER	48	JAN 08 1990	7. UNIT AGREEMENT NAME
	W. Hancock		Otherwa	8. FARM OR LEASE NAME
3. ADDRESS OF OPERATOR	M. Hancock	<i>L</i>	ME, CAS & WILL	Federal
402 Pet	roleum Building	, Billings, MT	59101 MINING	9. WBLL NO. 10-4
See also space 17 belo At surface	w.)	in accordance with any St	ate requirements.	10. PIBLD AND POOL, OR WILDCAT
575' FN	IL, 810' FWL, Se	ec. 10		Bat - X 11. SEC., T., B., M., OR BLE, AND SURVEY OR ARBA
14. PERMIT NO.	15 8129	ATIONS (Show whether DF, R		NW4NW4 Sec. 10-T17S-R25E
43-019-31263		5511' GL, 5522'	· · · · · · · · · · · · · · · · · · ·	12. COUNTY OR PARISH 18. STATE Grand Utah
16	Check Appropriate	Box To Indicate Nat	ture of Notice, Report, or C	
No	TICE OF INTENTION TO:	"		ENT REPORT OF:
TEST WATER SHUT-OF	PULL OR AL	TER CABING	WATER SHUT-OFF] —
FRACTURE TREAT	MULTIPLE C	OMPLETE	PRACTURE TREATMENT	ALTERING CASING
BHOUT OR ACIDIZE	ABANDON*		SHOOTING OR ACIDIZING	ABANDONMENT*
REPAIR WELL	CHANGE PLA	INB	(Other) notice of f	irst production x
17. DENCRIBE PROPOSED OR C proposed work. If nent to this work.)	OMPLETED OPERATIONS (Covell is directionally drille	learly state all pertinent de give subsurface location	(NOTE: Report results Completion or Recomple etalis, and give pertinent dates, a and measured and true verticu	of multiple completion on Well etion Report and Log form.) including estimated date of starting any idepths for all markers and gones perfi-
				fied Dale Manchester, .M. on January 5, 1990.
	•••			
		•		OIL AND TAKE
				DPN
	,	*		DIAN .
		;		JR3 Gal
				DTS SLS
	, ,			
				I-TAS
	•			Q_ MICROFILM P
	,			ス FILE
18. I hereby certify that the	foregoing is toye and eq	orrect		
BIGNED James G.	mar D- / CANT	TITLE CONSU	lting Pet. Engineer	January 5, 1990
(This space for Federal				
APPROVED BY		TITLE		DATE
CONDITIONS OF APPR	UVAL, IF ANY:			

→ Burton W. Hancock →

404 Petroleum Building Billings, Montana 59101

January 8, 1990

Division of Oil, Gas & Mining 3 Triad Center, Suite 350 Salt Lake City, UT 84180

Re: Bar-X Unit #10-4

NW% NW% Sec. 10: T17S-R25E

Grand County, Utah

Gentlemen:

Enclosed, please find two (2) copies of the Well Completion Report for the above captioned well.

Very truly yours,

LONE MOUNTAIN PRODUCTION COMPANY

James G. Routson

Consulting Petroleum Engineer

for Burton W. Hancock

JGR/mjt Enclosures



OIL. GAS & MINING

OIL AND GAS						
DAN	D.JF					
JRB	GLH					
DTS	SLS					
	1					
I-TAS	1					
	ROFILM V					
3. FILE						

November 1983) _ (formerly 9-330)		UN	ITED	STA	TES	SUB	MIT II	N DUPLIC	ATE •	ı	Budget I	ptoved. Bureau No. August 31.	1004-0137
- (Tormerry 9—330)	DEPAR					TERIO	R	(Se stri	erin-	ļ			
			DF LAN					revei	se side)	1	U-049		SERIAL NO.
WELL CO	MPLETION		DECON	ADI ETI			CACIO	MD starting					TRIBE NAME
Ia. TYPE OF WEI					70)	5(0)5	14	1,121	71				
b. TYPE OF COM	W. F	in L	WELL Z	io pi	SH!	ther	**********			7. UN	NIT AGREE	MENT NAME	
NEW X		ке-	PLUG BACK	DIFF		oulAN-1	1 10	390		S. FA	RM OR LE	ASE NAME	
2. NAME OF OPERA						VOTAL -					Feder	·a1	
	ton W. H	ancoc	k			CW 150				9. w	ELL NO.		
3. ADDRESS OF OPE		D1	d- 10	4114		Unit Only					No. 1		
4. LOCATION OF WE	Petrole						910			1	Bar-X	POOL, OR WI	LDCAT
	'FNL, 8							,		11. 8	EC., T., R.,	<u> </u>	K AND BURVEY
	terval reported b		ame							C	OR AREA		
At total depth		~	ane							1	-	IW4 Se	ec. 10
At total depth	Same			1 14. PEI	RMIT NO.		DATE	ISSUED			T175-		STATE
				4	3-019	9-31263		3-29-88	3	P	ARISH CAR		tah
15. DATE SPUDDED	16. DATE T.D.	REACHED	17. DATE				8. ELE	VATIONS (D		RT, GB,		19. ELEV. CA	
9-29-89	10-3-89			80-89				1 GL,				5512	
20. TOTAL DEPTH, MD	ŀ		.D., MD & T	VD 22.	HOW M	TIPLE COMPI		23. INTI	ERVALS LED BY	пота О-	RY TOOLS	CAB	LE TOOLS
4197 24. PRODUCING INTER		4104	ION TOP,	BOTTOM,	NAME (N	AD AND TVD)	•		->	<u>U-</u>	עו	25. WAS I	DIRECTIONAL
Dakota 388	4-3949											No	Y MADE
26. TYPE ELECTRIC	ND OTHER LOGS	RUN									2	7. WAS WELL	L CORED
GR-FDC-CNL	, DIL, GR-	CBL-VD	L									No	
28. CASING SIZE	WEIGHT, LB.,	7==				ort all string	78 set	•					
7"	23# J-5		308	(MD)		LE SIZE	- ₁		IGII (urface		ne Pulled
43"	10-5#J-	1	4160			74"	_	75 sx		otro			ne
							- -	73 34			2686)	-	
										- I			
29.		LINER F						30.			RECOR		
None	TOP (MD)	BOTTOM	(MD)	SACKS CE	MENT*	SCREEN (I	4D)	2 3/			SET (MD)		R SET (MD)
None									-	395	4	110	ne
31. PERFORATION REC	ORD (Interval, s	ize and nu	imber)		\	82.	ĀĆ	CID, SHOT,	FRACT	URE, C	EMENT	SQUEEZE, E	TC.
3932 - 394	9. 18 hole	s31	" dian	eter		DEPTH IN	TERVA	L (MD)	A M	OUNT A	ND KIND	OF MATERIAL	USED
3884 - 391						3884-3	918						lons 15%
												CF nitr	
								 .					# 100 mes and, 475
33.*					PROD	OUCTION						SCF nitr	
DATE FIRST PRODUCT	1		•	owing, ga	e lift, pu	ımping—size	and t	ype of pun			WELL ST	ATUR (Prode	ucing or
11-8-89	<u>'</u>	Flowin										icing (1	
DATE OF TEST	HOURS TESTED		KE SIZE	PROD'N		OIL-BBL.		1814		WATE	CR——BBL.	GAS-OIL	RATIO
12-30-89 PLOW. TUBING PRESS.	21	RE CALC	/2"	011,B	Bt	GAS-	-MCF.	1014	WATER-	-HBL.	10	IL GRAVITY-A	PI (CORR.)
355	535	24-H	OUR RATE			2	073	1		•			, ,
34. DISPOSITION OF G	AB (Sold, used for	fuel, veni	ted, etc.)	- '		!	<u>-</u>			TEST	WITNESSE		
Vented '					., ,						Joe Dy	ук	
35. LIST OF ATTACH! None	MENTS												
36. I hereby certify	that the foregoing	ng and at	tached inf	ormation	is comp	lete and cor	rect as	determine	d from	all ava	llable reco	ords	
				-	•								

bbls

1-5-90

DATE

*(See Instructions and Spaces for Additional Data on Reverse Side)

Fitle 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

TITLE Consulting Pet. Engineer

	Э.Б	TRUE VERT, DEPTH	+1810 +1714 +1556	
GEOLOGIC MARKERS	TOP	MEAS, DEPTH	3712 3808 3966	JAN 11 1990 OF OIL, GAS & MINING
38. GEOL		NAME	Dakota silt Dakota sand Morrison	DISCONDE DIVISION OF OIL, GAS & MINING
SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):	DESCRIPTION, CONTENTS, ETC.	Tight gas	Gas	
w all important zo rval tested, cush	BOTTOM	3844	3944	
ROUS ZONES: (Shareluding depth inte	TOP	3808	3884	
37. SUMMARY OF POR drill-stem, tests, in recoveries):	FORMATION	Dakota	Dakota	
• •				